DRAFT TENDER SCHEDULE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : Augmentation of Water Supply Through Borewell, Network of Pipelines and Ground Water Recharge Facilities in various layouts in Ward No-05 and Ward No-06 Byatarayanapura Sub Division

DRAFT TENDER SCHEDULE

Sl.no	Description of Work	Unit	Total Quantity as	Rate as per estimate in Rs.	
				In Figures	In Words
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etccomplete as per specifications and directions of Engineer in charge of work.	Each BW	36.00	3881.04	Rupees Three Thousand Eight Hundred Eighty One and Four Paise Only
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work.	Rmtr	1800.00	357.41	Rupees Three Hundred Fifty Seven and Forty One Paise Only
2a	50 to 100	Rmtr	1800.00	455.26	Rupees Four Hundred Fifty Five and Twenty Six Paise Only
2b	100 to 150	Rmtr	1800.00	469.68	Rupees Four Hundred Sixty Nine and Sixty Eight Paise Only
2c	150 to 200	Rmtr	1800.00	552.08	Rupees Five Hundred Fifty Two and Eight Paise Only
2d	200 to 250	Rmtr	1800.00	653.02	Rupees Six Hundred Fifty Three and Two Paise Only

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				In Figures	In Words
2e	250 to 300	Rmtr	1800.00	721.00	Rupees Seven Hundred Twenty One Only
2f	300 to 350	Rmtr	1800.00	849.75	Rupees Eight Hundred Forty Nine and Seventy Five Paise Only
2g	350 to 400	Rmtr	1800.00	927.00	Rupees Nine Hundred Twenty Seven Only
3	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work.	Rmtr	2160.00	1364.75	Rupees One Thousand Three Hundred Sixty Four and Seventy Five Paise Only
4	Providing and fixing 250mm dia PVC Pipe and as per specification complete as per specifications and directions of Engineer in charge of work.	m	360.00	2203.39	Rupees Two Thousand Two Hundred Three and Thirty Nine Paise Only
5	175mm dia M.S. Casing capcomplete as per specifications and directions of Engineer in charge of work.	Each	36.00	103.00	Rupees One Hundred Three Only
6	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work.	Sq.cm	792000.00	0.35	Thirty Five Paise Only
7	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI union confirming to IS 1239-II, 1991 with latest amendments if any. complete as per specifications and directions of Engineer in charge of work.	No	36.00	180.25	Rupees One Hundred Eighty and Twenty Five Paise Only
8	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any.complete as per specifications and directions of Engineer in charge of work.	No	108.00	144.20	Rupees One Hundred Forty Four and Twenty Paise Only

Sl.no	Description of Work	Unit	Total Quantity as	Rate as per estimate in Rs.	
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17	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class 16sqmmUG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.complete as per specifications and directions of Engineer in charge of work.	Nos	36.00	511.91	Rupees Five Hundred Eleven and Ninety One Paise Only
18	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,Size 20 x 20 x 2.5 inches with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work.	Nos	36.00	292.00	Rupees Two Hundred Ninety Two Only
19	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 20 HP 40 Stagecomplete as per specifications and directions of Engineer in charge of work.	Nos	24.00	90595.00	Rupees Ninety Thousand Five Hundred Ninety Five Only
20	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 17.5 HP 30 Stagecomplete as per specifications and directions of Engineer in charge of work.	Nos	12.00	72126.00	Rupees Seventy Two Thousand One Hundred Twenty Six Only
21	Providing, laying & joining GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe B Class complete as per specifications and directions of Engineer in charge of work.	Rmtr	2124.00	2861.34	Rupees Two Thousand Eight Hundred Sixty One and Thirty Four Paise Only

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22	Supplying of submersible pump cable 1X3X6 Sqmm complete as per specifications and directions of Engineer in charge of work.	Mtr	26568.00	205.00	Rupees Two Hundred Five Only
23	Supplying & delivery at site brand new / Essen / lotus sunsines/Adarsh/Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph,50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz,380/440 AC supply shall be consisted etc., completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above Up to 20HP with star delta starter (MR) complete as per specifications and directions of Engineer in charge of work.	Nos	36.00	21000.00	Rupees Twenty One Thousand Only
24	Supplying & delivery of brand 50mm Gate Valve. complete as per specifications and directions of Engineer in charge of work.	Each	36.00	1225.70	Rupees One Thousand Two Hundred Twenty Five and Seventy Paise Only
25	Supplying & delivery of brand 50mm Non Return Valve. complete as per specifications and directions of Engineer in charge of work.	Each	36.00	1210.25	Rupees One Thousand Two Hundred Ten and Twenty Five Paise Only
26	Supplying and fixing MCB complete as per specifications and directions of Engineer in charge of work.	Each	36.00	1055.75	Rupees One Thousand Fifty Five and Seventy Five Paise Only
27	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications and directions of Engineer in charge of work.	Cum	7835.40	316.94	Rupees Three Hundred Sixteen and Ninety Four Paise Only
28	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including joining of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete as per specifications and directions of Engineer in charge of work.	Mtr	17412.00	126.69	Rupees One Hundred Twenty Six and Sixty Nine Paise Only

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29	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications and directions of Engineer in charge of work.	Cum	7835.40	128.26	Rupees One Hundred Twenty Eight and Twenty Six Paise Only
30	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification. complete as per specifications and directions of Engineer in charge of work. Cutting Asphalt Road Surface	Cum	324.00	574.52	Rupees Five Hundred Seventy Four and Fifty Two Paise Only
31	Earthwork excavation in soil, clay, sand, shedu soil, soft murrum, including shoring, strutting, barricading, danger lighting, bailing out water wherever necessary with stacking the materials as directed upto a lead of 50 Mtr and lift of 1.5 Mtr etc., complete as per specifications and directions of Engineer in charge of work.	Cum	274.69	356.38	Rupees Three Hundred Fifty Six and Thirty Eight Paise Only
32	Add for additional lift charges for every lift of 1.50 M or part thereof beyond 1.50 Mtr to 10.50 Mtr complete as per specifications and directions of Engineer in charge of work.	Cum	137.34	58.71	Rupees Fifty Eight and Seventy One Paise Only
33	Providing and laying in position plain cement concrete of grade M 10 with cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, including cost of all materials, labour, HOM of machinery, curing,lowering to any depth, dewatering etc., ccomplete as per specifications and directions of Engineer in charge of work.specifications with all lead and lifts for Foundation of steining.	Cum	3.05	6213.99	Rupees Six Thousand Two Hundred Thirteen and Ninety Nine Paise Only
34	100 mm and down nominal size complete as per specifications and directions of Engineer in charge of work.	Cum	24.42	1017.25	Rupees One Thousand Seventeen and Twenty Four Paise Only
35	40 mm nominal size stone aggregatescomplete as per specifications and directions of Engineer in charge of work.	Cum	67.15	1124.17	Rupees One Thousand One Hundred Twenty Four and Seventeen Paise Only
36	20 mm nominal size stone aggregates complete as per specifications and directions of Engineer in charge of work.	Cum	24.42	1124.17	Rupees One Thousand One Hundred Twenty Four and Seventeen Paise Only
37	6 mm nominal size stone aggregates complete as per specifications and directions of Engineer in charge of work.	Cum	24.42	1124.17	Rupees One Thousand One Hundred Twenty Four and Seventeen Paise Only
38	Providing and filling sand complete as per specifications and directions of Engineer in charge of work.	Cum	20.35	1731.38	Rupees One Thousand Seven Hundred Thirty One and Thirty Seven Paise Only

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39	Supplying & errection of RCC rings for well steining of 0.3 Mtr Depth using M-20 grade concrete using clean graded granite or trap or jelly of approved quality 20mm and down size well compacted including centering, formwork and plastering for both faces with C.M 1:3 proportion as per design using 6.50mm M.S. coil at the rate of 10 Kgs/ring including cost of steel and fabrication, bailing out of water, errection etc., complete. For 1.20m dia (clear) rings of steining thickness 0.075mm upto 18 M depthcomplete as per specifications and directions of Engineer in charge of work.	Each	360.00	1142.27	Rupees One Thousand One Hundred Forty Two and Twenty Seven Paise Only
40	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications and directions of Engineer in charge of work.	Kgs	142.38	100.70	Rupees One Hundred and Seventy Paise Only

Executive Engineer
BBMP